

SOV/137-58-7-14719

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr.7, p 109 (USSR)

AUTHORS: Mirgalovskaya, M.S., Matkova, L.I., Strel'nikova, I.A.,
Komova, E.M.

TITLE: Production of Single Crystals of InSb and AlSb and Study of the
Properties Thereof (Polucheniye monokristallov InSb i AlSb i
izuchenije ikh svoystv)

PERIODICAL: Tr. 1-y Mezhvuzovsk. konferentsii po sovrem. tekhn.
dielektrikov i poluprovodnikov. 1956 g. Leningrad, 1957,
pp 163-169

ABSTRACT: A description is offered of a method of producing single
crystals of the semiconducting chemical compounds InSb and
AlSb. The single crystals were obtained by pulling in an inert
gas atmosphere. The fact that the rods consisted of single
crystals was determined visually by cleavage and by Laue dif-
fraction pattern of the cleavage plane. Production of single
crystals of InSb involved no particular difficulties. The InSb
was purified by re-pulling. The resistance of the samples ob-
tained was 0.01-0.014 ohm·cm, and the mobility of the holes
was $2.1 \cdot 10^3$ cm²/v sec. The InSb compound has no rectifying

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Production of Single Crystals of InSb and AlSb (cont.)

effect. Production of single crystals of AlSb by pulling from a melt is difficult, as an excess of >0.29% Al in the mix over the stoichiometric ratio leads to the formation of a second phase, and this speeded the corrosion of the compound in air. To produce a single-phase compound, it is necessary to hold it for a long time at high temperatures and to stir the melt. The single crystals of AlSb produced have p-type conductivity. The resistivity of the specimens is 0.03-0.4 ohm·cm, the reverse voltage is 3-4 v, attaining 12 v in individual samples, the rectification factor is 1600, the mobility of the holes $127 \text{ cm}^2/\text{v sec}$ at $n_g = 1.2 \cdot 10^{18} \text{ cm}^{-3}$. When the compounds are purified by controlled recrystallization, the electrical resistivity of the specimens declines at the first passes, but increases in subsequent ones. The resistivity of the initial InSb polycrystal of InSb is 0.014 ohm·cm. The single crystal from the first pulling has a resistivity of 0.0008 ohm·cm, and a single crystal pulled twice has a resistance of 0.01-0.114 ohm·cm. The pulling rate is ~1.0 mm/min, the rotation of the crucible being a few revolutions per min. It was established that excess of a component over the stoichiometric ratio does not change the type of conductivity of these compounds. It is found that floating-zone refining of AlSb makes it possible to increase the resistivity of the specimens (to 20-200 ohm·cm) and to reduce the number of carriers by $\sim 1.75 \cdot 10^{14} \text{ cm}^{-3}$.

2. Single crystals--Properties

Card 2/2 1. Single crystals--Production

V.Kh.

KOMOVA, E.M.

137-58-2-3916

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 234 (USSR)

AUTHORS: Mirgalovskaya, M.S., Matkova, L.N., Komova, E.M.

TITLE: The Mg-Al-Mn System (Sistema Mg-Al-Mn)

PERIODICAL: Tr. In-ta metallurgii AN SSSR, 1957, Nr 2, pp 139-148

ABSTRACT: The Mg corner of the Mg-Al-Mn system was investigated by microscopic and x-ray methods, and by measurement of microhardness. It was established that the field of primary crystallization of α Mg borders the fields of crystallization of the λ phase (solution of Al in α Mn), the ξ phase of the Al-Mn system, and the γ phase of the Mg-Al systems. The position of the corresponding monovariant curves was defined. It is shown that addition of up to 1% Al increases the solubility of β Mn and α Mg by 4-9 times. The invariant points were found at 438.5° ($\sim 35\%$ Al and 0.5% Mn) and at 438° (37.5% Al and 0.5% Mn). In the former, the liquid + $\lambda \rightleftharpoons \alpha + \gamma$.
In the latter liquid + $\xi \rightleftharpoons \alpha + \gamma$.
D.B.

Card 1/1

1. Aluminum-magnesium-manganese systems--Microscopic analysis
2. Aluminum-magnesium-manganese systems--X-ray analysis

POLONSKIY, T.M.; KOMOVA, E.M.

Effect of temperature on structure formation in Fe(OH)_3 , and
 Al(OH)_3 gels. Dop. ta pov. L'viv. un. no.7 pt.3:218-221 '57.
(Iron hydroxide) (Aluminum hydroxide)

(MIRA 11:2)

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S/137/62/000/002/056/14.
A006/A101*1D. 1200*
AUTHORS: Mirgalovskaya, M. S., Komova, E. M.

TITLE: On the interaction of tellurium with gallium antimonide

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 38, abstract 26297
(V sb. "Vopr. metallurgii i fiz. poluprovodnikov", Moscow, AN SSSR,
1961, 138 - 144)TEXT: To clear up problems connected with alloying of GaSb, the authors investigated the nature of its interaction with Te. GaSb specimens, prepared by alloying the initial components in evacuated quartz ampoules, were subjected to zonal cleaning in evacuated quartz tubes. After 10 passes of the molten zone, 15 - 20 mm wide, at 0.3 mm/min, ingots were obtained whose middle section contained Cu only in an amount of $<10^{-3}\%$. The majority of admixtures (Mg, Sn, Al, Fe) had a distribution factor of >1 in GaSb. The material obtained after zonal cleaning had a p-type conductivity, $\rho \approx 0.06 - 0.08 \text{ ohm} \cdot \text{cm}$; $R_x \approx 40 - 60 \text{ cm}^3/\text{k}$ and $n \approx 1.2 - 1.8 \cdot 10^{17} \text{ cm}^{-3}$. Maximum mobility at individual sections of the ingot was $\mu_p = 1,000 \text{ cm}^2/\text{v} \cdot \text{sec}$. Material of highest purity after zonal cleaning was used to draw out single crystals by Chokhral'skiy's method carried out in

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On the interaction of...

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A006/A101

argon atmosphere at a rate of 0.8 mm/min and 3 rpm crucible rotation. Single crystal plates cut out of the ingots obtained had $\rho \approx 0.06 - 0.07 \text{ ohm} \cdot \text{cm}$, $R_x \approx 50 - 70 \text{ cm}^3/\text{k}$, $\mu_p = 600 - 800 \text{ cm}^2/\text{v} \cdot \text{sec}$, and $n \approx 1.3 \cdot 10^{17} \text{ cm}^{-3}$. GaSb specimens after alloying with Te in a quantity of 0.1% had n-type conductivity, $\rho = 0.024 \text{ ohm} \cdot \text{cm}$, $R_x \approx 33 \text{ cm}^3/\text{k}$, $\mu_n \approx 1,170 \text{ cm}^2/\text{v} \cdot \text{sec}$ and $n \approx 2.2 \cdot 10^{17} \text{ cm}^{-3}$. To reveal the nature of interaction between GaSb and Te, the Ga-Sb-Te system was studied over the sections GaSb-Te; GaSb-Ga₂Te₃; GaSb-GaTe and GaTe-Sb. The investigation was carried out by the method of microstructural, thermal and X-ray analyses. Simultaneously microhardness of the phases was studied. The presence of two quasi-binary eutectic type sections was established, namely: GaTe-Sb (7% GaTe, $t_{\text{eut}} = 590^\circ\text{C}$) and GaSb-GaTe (14% GaTe, $t_{\text{eut}} = 695^\circ\text{C}$). In the second system there is a zone of GaTe solid solution in GaSb, extending up to 16.4% GaTe and including a portion of alloys of section GaSb-Ga₂Te₃. Thus in the alloying of GaSb with tellurium an equilibrium is observed between GaSb and GaTe which form solid solutions of some spread in the ternary system.

A. Nashel'skiy

[Abstracter's note: Complete translation]

Card 2/2

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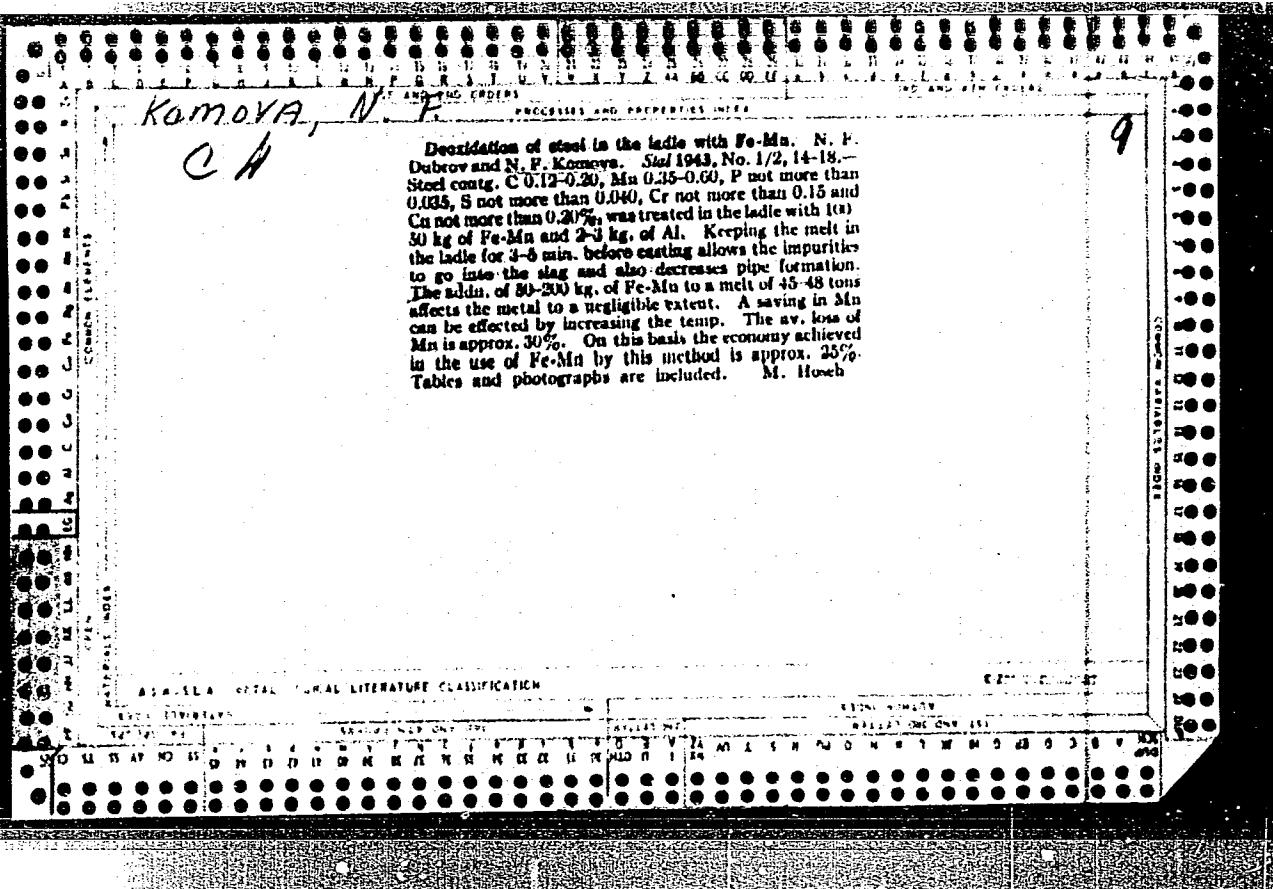
ZABOLOTNYY, I.I.; KOMOVA, E.M.

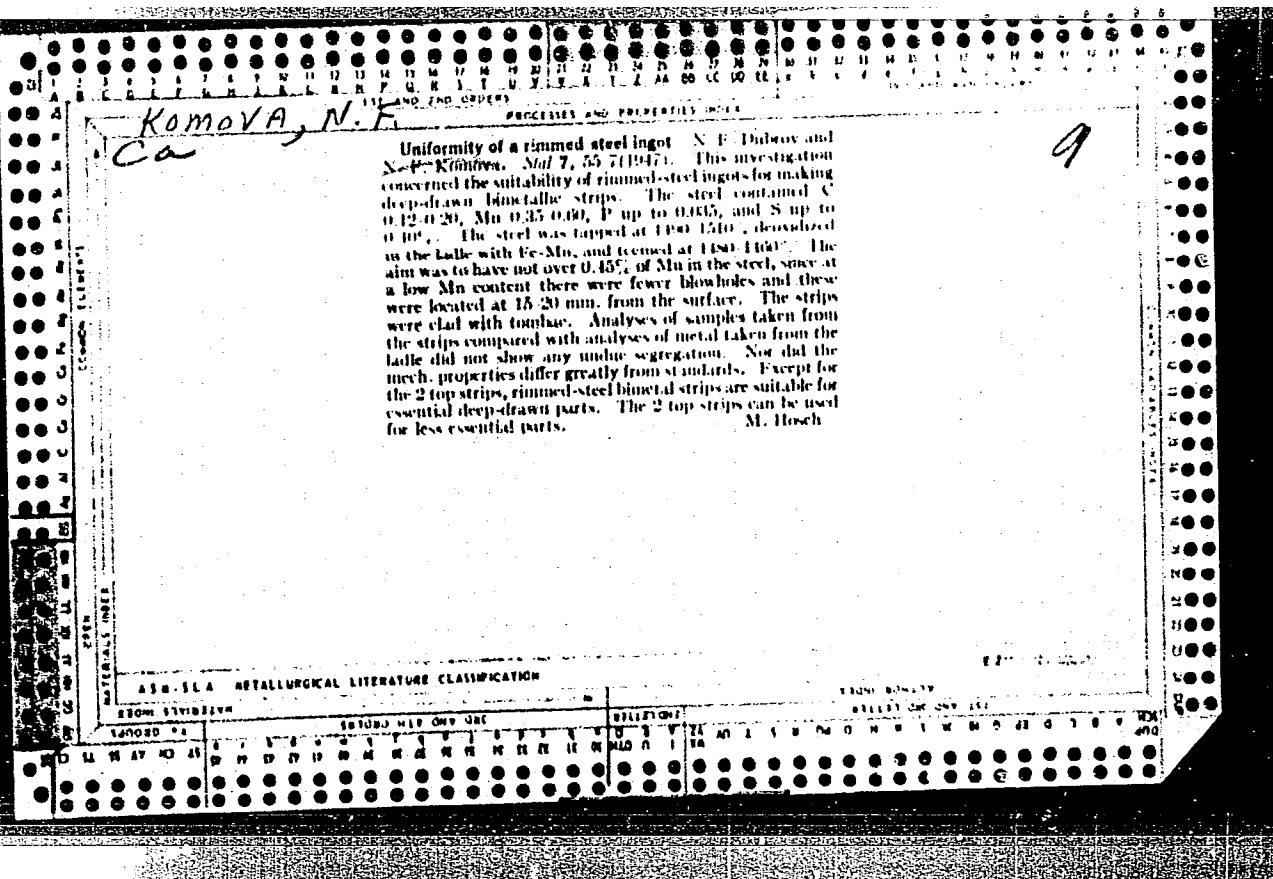
Exchange of experience. Zav.lab. 28 no.8:1012 '62. (MIRA 15:11)

1. Ukrainskiy poligraficheskiy institut imeni I.Fedorova.
(Scientific apparatus and instruments)

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CIA-RDP86-00513R000824120014-9"





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75961
SOV/133-59-10-22/39

AUTHORS: Suyarov, D. I., Glushkov, A. I., Komova, N. F.

TITLE: Improvements of Surface Quality of Sheets in Pack Rolling

PERIODICAL: Stal', 1959, Nr 10, pp 923-925 (USSR)

ABSTRACT: Investigations conducted by Bel'chenko, G. I., and Ivanov, S. N. Ref 1, Stal', 1955, Nr 27 on the mechanisms of the formation of local projections on the rolls which pick up metal particles causing subsequent sheet defects are of some interest, although the authors repudiate some of the statements. Based on an improvement adopted in England Ref 2, Mort, I., "Iron and Steel", bottom rolls at Lys'va Plant (Lys'venskiy zavod) are provided with 0.30- to 0.35-mm high collars to eliminate the contact of roll surfaces, which according to Bel'chenko and Ivanov Ref 1 cause the defects. The roll collars improve biting conditions and decrease the picking up of metal particles. At Lys'va Plant these local projections are removed by a continuous

Card 1/4

Improvements of Surface Quality of Sheets
in Pack Rolling

75961
SOV/133-59-10-22/39

grinding attachment (see Fig. 2) which is endowed with the following features: (1) abrasive rolls which turn independently of the working rolls; (2) rods (a) which support carriage and (b) with abrasive rolls mounted in such a way as not to damage drive parts in case of their breaking down; and (3) abrasive dust removal by compressed air jet passed through hollow rods (a). The arrangement is recommended for introduction in other plants. There are 2 figures; and 5 references, 3 Soviet, 1 British, 1 U.S. The British reference is: Mort, I., Iron and Steel, 1958, Nr 10. The U.S. reference is: Griffith, Blast Furnace and Steel Plant, 1939, Nr 9.

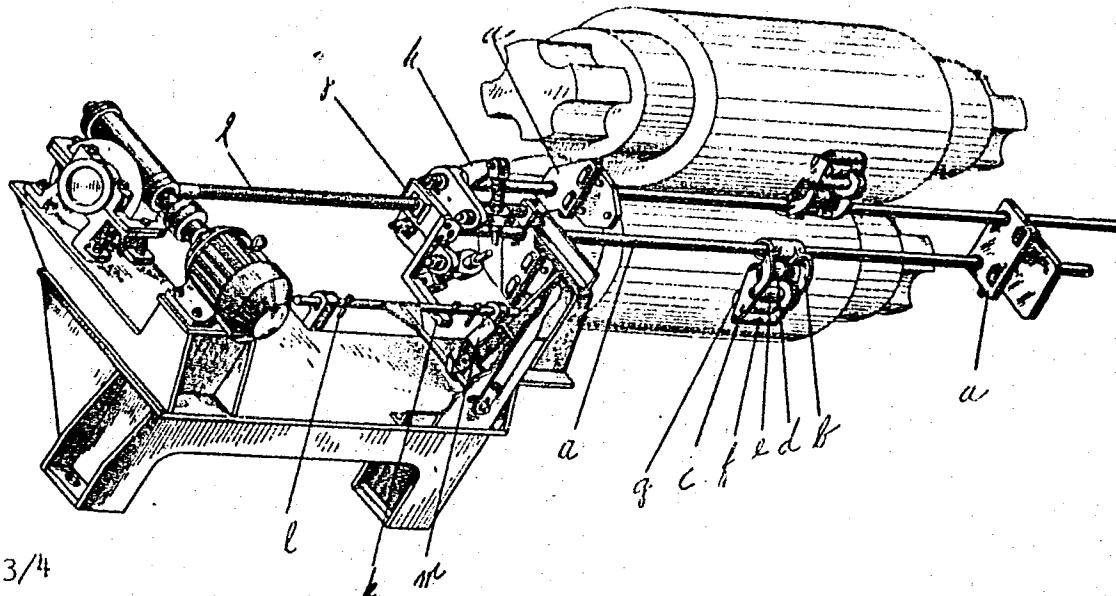
(caption to Fig. 2--for which, see card 3/3)

Fig. 2. Continuous grinding attachment of the rolls during rolling: (a) rod; (b) carriage; (c) frame; (d) friction roll; (e) drive roll; (f) idle roll; (g) abrasive roll; (h) lever; (i) screw; (j) crossbeam; (k) arm; (l) stops; (m) switch; (n) planks.

Card 2/4

Improvements of Surface Quality of Sheets
in Pack Rolling
(see card 2/4 for caption to Fig. 2, below)

75961
SOV/133-59-10-22/39



Card 3/4

Improvements of Surface Quality of Sheets
in Pack Rolling

73961
Sov/133-59-10-22,39

ASSOCIATION: Ural Institute of Ferrous Metals (Ural'skiy Institut chernyykh metallov) and Lys'evskiy Metallurgical Plant (Lys'yevskiy metalurgicheskiy zavod)

Car 1 4/4

KOMOVA, O.

KOMOVA, O.

About those who "make" the weather. Rabotnitsa 35 no.9:14-15 S '57.
(MIRA 10:10)

1. Nachal'nik Byuro pogody Glavsevmorputi.
(Arctic regions--Meteorological stations) (Weather forecasting)

SOV/169-59-6-6155

Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 6, p 110 (USSR)

AUTHOR: Komova, O.N.

TITLE: On the Advection of Heat in Winter in the Center of the Arctic Basin

PERIODICAL: V sb.: Probl. Severa, Nr 1, Moscow, AS USSR, 1958, pp 330-336

ABSTRACT: At the end of January 1957, the air temperature increased to -1°C over the station "North Pole Nr 5". It was established by a synoptic analysis of the atmospheric processes during this time that the presence of intense and prolonged advection of heat in the region of the North Pole is caused by the outflow of cyclones to north along the meridian of Spitsbergen. The comparison of the maximum temperatures observed in the past by the arctic stations shows that a similar intense advection is not abnormal. ✓B

Card 1/1

SHVARTS, A., kandidat na tekhnicheskite nauki; VESHNIKOV, A., inzh.; KOMOV, S.

On the rotor motors with internal combustion. Ratsionalizatsiia 11
no.9:13-17 '61.

1. Direktor na Vseuiuzniiia nauchno-tekhnicheski institut pri Durzhavnata
patentna ekspertiza(for Komov)

(Gas and oil engines)

PEREL'MAN, A.I.; MUSHINA, Ye.A.; TOPCHIYEV, A.V. [deceased]; Prinimali uchastiye:
KOMOVA, T.A.; SHMONINA, V.L.

Investigating the polymerization of vinylcyclohexane on the
catalytic systems Al(i-C₄H₉+TiCl₄). Plast. massy no.8:3-6
'64.

KOMOVA,T.P.

KOMOVA,T.P. (g.Tushino Moskovskoy oblasti)

Our experience in conducting extracurricular work in chemistry. Khim.
v shkole 10 no.5:60-64 S-0 '55. (MIRA 8:11)
(Chemistry--Study and teaching)

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KONOVA, T.P. (Tushino Moskovskoy oblasti)

Notebooks on chemistry. Khim.v shkole 11 no.5:69-70 S-0 '56.
(Chemistry--Study and teaching) (MLRA 9:11)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9"

KOMOVA, T.P. (g. Tushino).

Relationship between teaching chemistry and biology. Khim. v shkole
12 no.3:61-67 My-Je '57. (MLRA 10:6)
(Chemistry--Study and teaching)
(Biology--Study and teaching)

KOMOVA, T.P. (selo Brattsevo Moskovskoy oblasti)

To the young teachers. Khim.v shkole 15 no.1:77-80
Ja-F '60. (MIRA 13:5)
(Chemistry--Study and teaching)

KOMOVA, Ye.I.

Course of rheumatic fever in children, Zdrav. Belor., 6 no.3:29-32
Mr '60. (MIRA 13:5)

1. Iz Minskoy oblastnoy klinicheskoy bol'nitsy (glavnnyy vrach
G.A. Tsgoyev, rukovoditel' raboty - doktor meditsinskikh nauk
A.S. Levin). (RHEUMATIC FEVER)

KOMOVA, Z. A.

"Stimulating Therapy of Chronic Dysentery in Young Children." Cand Med Sci, Gor'kiy State Medical Inst imeni S. M. Kirov, Gor'kiy, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

KOMOVA, Z. A.
USSR/Medicine - Dysentery

KOMOVA, Z. A.

FD 130

Card 1/1

Author : Komova, Z. A.

Title : The use of Prof. V. A. Chernokhvostov's vaccine in the treatment of dysentery (an analysis of the immediate results of vaccine therapy in the light of the study of the dynamics of certain reactivity indexes)

Periodical : Zhur. mikrobiol. epid. i immun. 4, 39-40, Apr 1954

Abstract : Conditions which preclude, and indexes which may predict the successful treatment of dysentery with Chernokhvostov's alcohol dysentery vaccine are discussed. No references are cited.

Institution : Gor'kiy Medical Institute im S.M. Kirov (Director-Docent N. N. Mizinov)

Submitted : December 22, 1953

KOMOVA, Z. A. FROLOVA, I. K. APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000824120014-9"

Detection of antigens in the blood serum in Botkin's disease.
Kaz. med. zhur. no. 5:32-34 S-0'63 (MIRA 16:12)

1. Klinicheskoye otdeleniye Gor'kovskogo instituta epidemiologii
i mikrobiologii (dir. I.N. Blokhina).

KOMOVA, Z. A., YEROFEYEVA, O. P., GORKIN, YE. N.

"Salmonelloses in adults."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

KOMOVA, Z.A.

Comparative evaluation of some laboratory methods for the diagnosis
of aborted and anicteric forms of Botkin's disease. Vop.mec.virus,
no.9:360-362 '64. (MIRA 18:4)

1. Klinicheskoye otdeleniye Gor'kovskogo nauchno-issledovatel'-
skogo instituta epidemiologii i mikrobiologii.

KOMOVA, Z.A.; NASONOVA, A.S.; BASHKIROVA, Ye.T.

Use of polymyxin in the treatment of dysentery in adults.
Antibiotiki 9 no.9:855-856 S '64. (MIRA 19:1)

1. Klinicheskoye otdeleniye Gor'kovskogo instituta epidemiologii
i mikrobiologii i infektsionnyye bol'nitsy No.2 i No.23 goroda
Gor'kogo.

IZYUMOV, V.N.; KOPOSOVA, T.L.; Prinimali uchastiye: KOMOVA, Z.P.; BUNTOVA, V.I.

Synthesis of alkyd resins modified by monobasic acids.
Lakokras. mat. i ikh prim. no.5:2-5 '63. (MIRA 16:11)

1. Yaroslavskiy tekhnologicheskiy institut.

SOLDATENKOV, P.F., prof., doktor biolog.nauk; FILATOVICH, V.V., kand.
sel'skokhoz.nauk; KOMOVATOV, V.S.; BOYCHENKO, P.Ya..

Butterfat content of milk in Tagil cattle depending on the amount
of fat and proteins in feed rations of growing calves. Agrobio-
logija no.3:349-357 My-Je '59. (MIRA 12:9)

1. Sverdlovskiy sel'skokhozyaystvennyy institut.
(Calves--Feeding and feeds) (Milk)

USTINOVA, Ye.T.; USTINOVA, G.A.; KOMOVKINA, N.S.

Testing of new bonding substances for the manufacture of nonwoven
fabrics for various purposes. Nauch.-issl.trudy TSNIIKHBI '60
[publ. '62]:196-208. (MIRA 18:2)

UFTINGVA, Ye.T.; SANDOMIRSKIY, D.M.; KOMOVKINA, N.S.

Improved technology of the manufacture of nonwoven interlining
fabrics. Nauch.-iss. trudy TSNIKHBI za 1962 g., 303-315 '64.
(MIRA 18:8)

BYKHOVSKIY, V.V.; KOMOVNIKOV, G.S.; POLUSHKIN, B.V.

Effect of symesan on the macrophagic reaction of the lungs
and phagocytosis in acute radiation sickness. Vest. AMN
SSSR 20 no.9:83-86 '65. (MIRA 18:11)

1. Institut meditsinskoy radiologii AMN SSSR, Obninsk.

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CIA-RDP86-00513R000824120014-9

KOMOVSKIY, A.

Projection printing. Sov. foto 19 no.5:35-40 My '59.
(MIRA 12:9)
(Photography--Printing processes)

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KOMOVSKIY, A.

Preparing for a current exhibition. Sov. foto 19 no.6:50-51
Je '59. (MIRA 12:9)

(Photography--Exhibitions)

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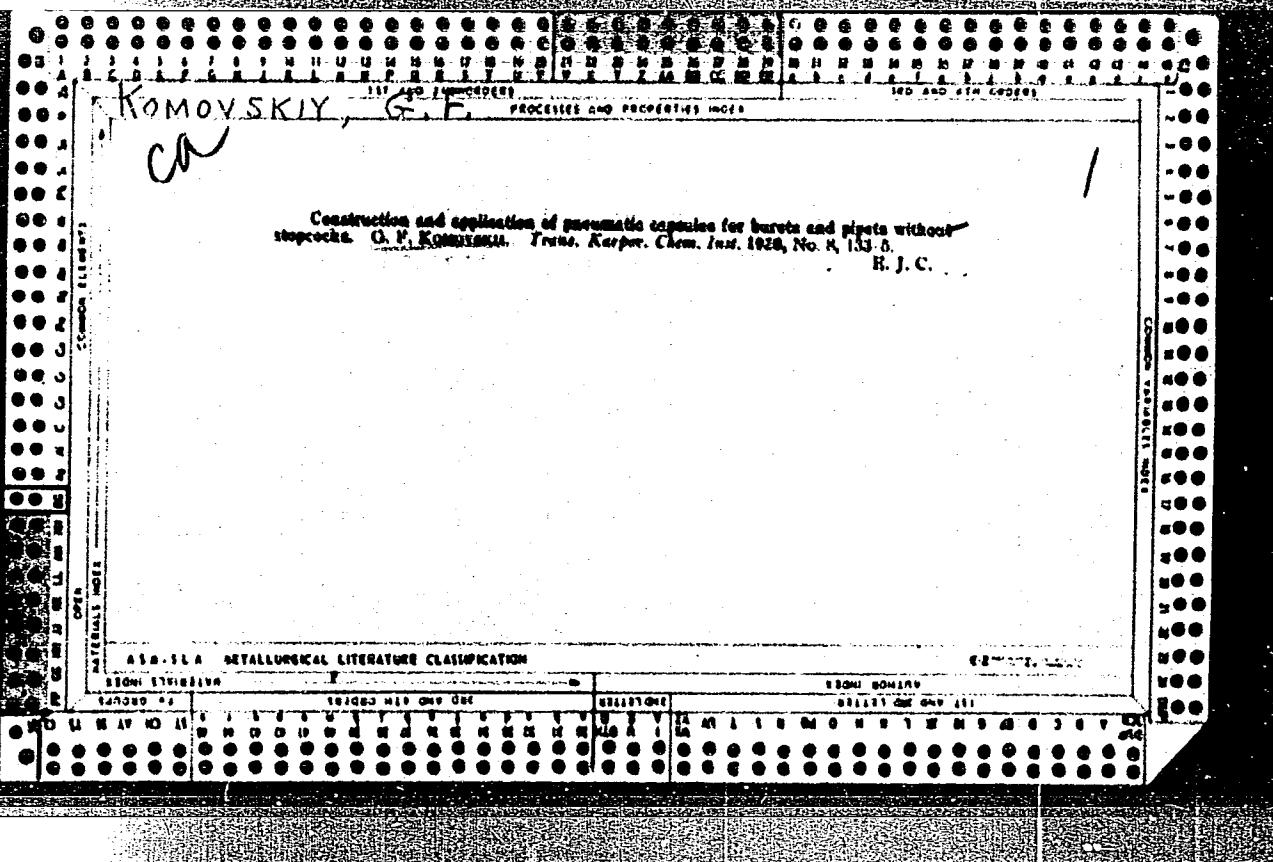
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KOMOVSKIY, A.

Through the window of an automobile. Sov.foto 19 no.7:68-69 Jl '59.
(MIRA 12:11)
(Photography)

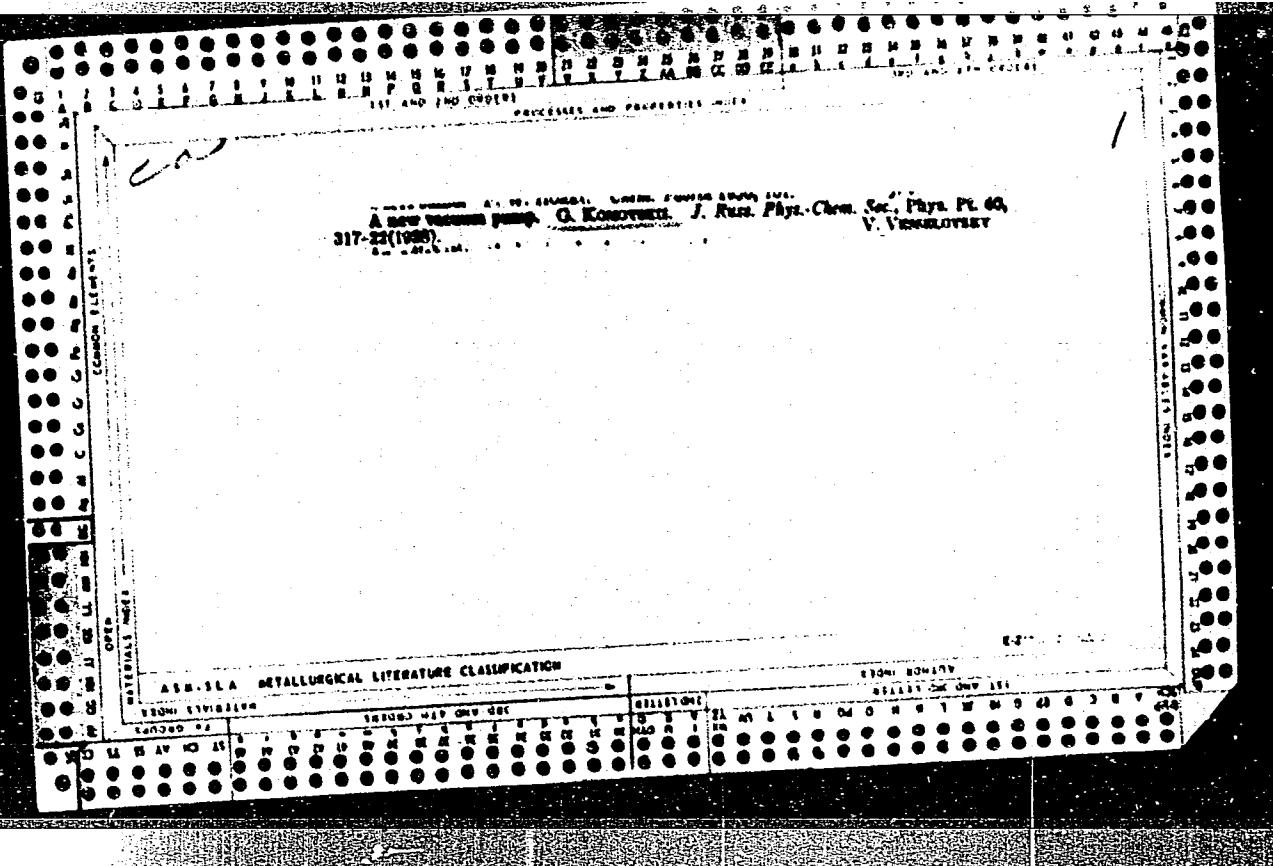
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Formation of copper carbide in acetylene cylinders. O. P. KOMOVSKII, ZHUR. PRILADNOI KhIM., 3, 401-11 (1931).—Pure and dry C_6H_6 does not combine with Cu or Cu alloys. Appreciable quantities of Cu_3C_2 are formed only on prolonged contact of compressed technical C_6H_6 with pure Cu. In the air Cu_3C_2 decomposes at 120-3° and leaves a black powder of CuO and C. In the atm. of C_6H_6 decompr. takes place if Cu_3C_2 is heated to at least 50° before it is contacted with the gas. If Cu_3C_2 is contacted with C_6H_6 at room temp., decompr. takes place only at 130-50°. Explosions in C_6H_6 are less violent than those in the air. The decompr. temp. is higher if C_6H_6 is under pressure (200-51° at 4-6 atm.). The use of Cu alloys in contact with C_6H_6 is safe. The d. of $Cu_3C_2H_6O$, usually formed in the cylinders, is 3.08 at room temp. V. KALICHKOV

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ASH-31A METALLURGICAL LITERATURE CLASSIFICATION
EDITION 11/1971/1976

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B. Abo.

A E. r., Apparatus, etc.

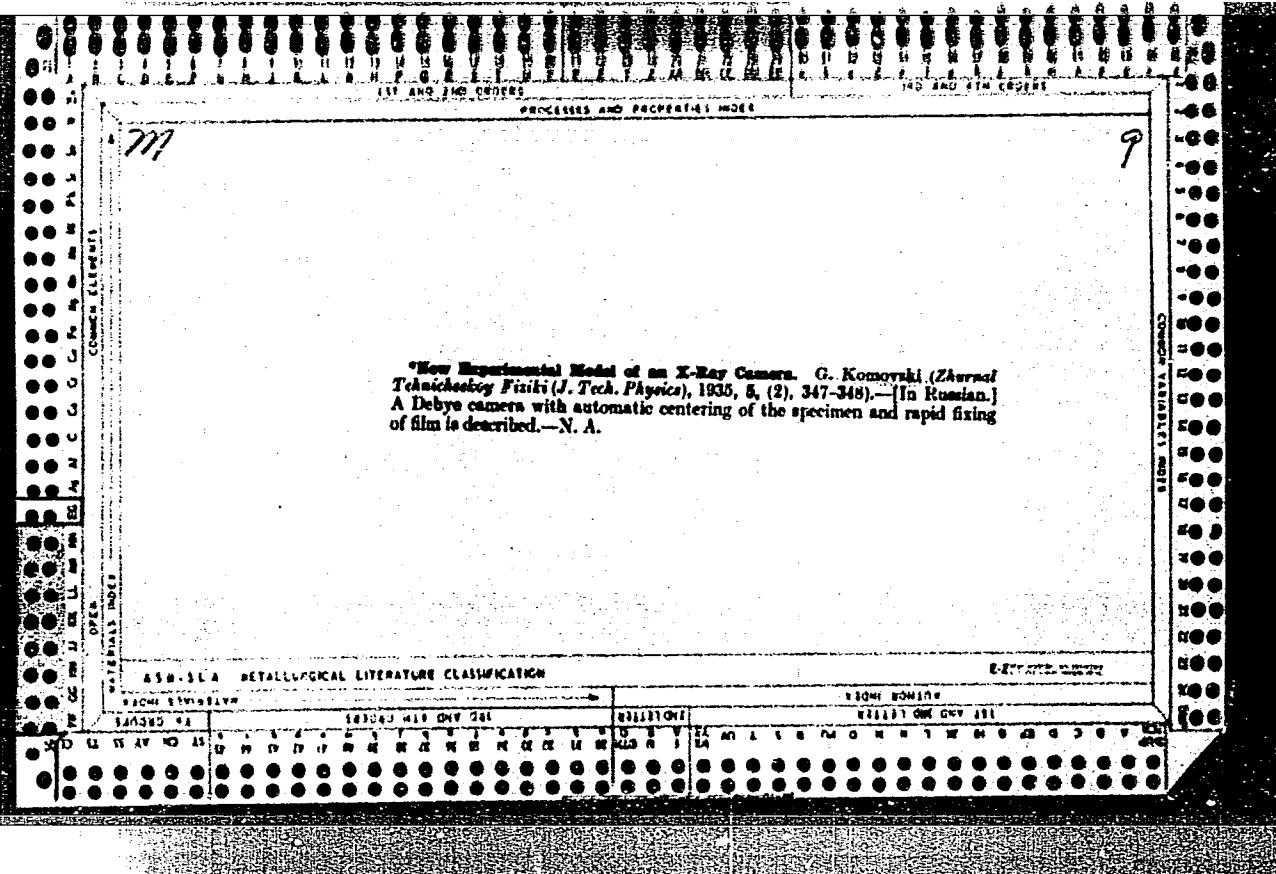
Apparatus for detecting luminescent ores. G. F. Komovskii (Javod. Lab., 1931, 8, 514-516).--Ores are illuminated by a spark from a hand-operated magneto; scheelite, e.g., can be found in this way. For irradiation with cathode rays a portable hand pump giving a vac. of 5×10^{-3} mm. Hg is used.

J. J. B.

J. Treating waste products obtained in cracking with aluminum chloride. I. A. Kazarovskii, G. F. Komovskii, V. P. Kotov and M. M. Konstantinov. Russ. 34,073, March 31, 1934. Waste products obtained in cracking with AlCl_3 are repeatedly extd. with dil. HCl to dissolve FeCl_3 and AlCl_3 . The concd. soln. is freed of Fe by electrolysis with C anodes and Fe or Cu cathodes, the anodic space being sep'd. from the cathodic by diaphragms. The following operation conditions are specified: (1) The temp. must not exceed 40°. (2) The best c. d. at the cathode is about 70 amp./sq. m.; a higher c. d. increases the current consumption, while lower c. d.s. do not produce the required degree of refining. (3) A thorough circulation of the electrolyte is essential.

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Use of [the] Centrifuge for Investigating Metallic Alloys. G. Komovskiy
(*Fizikal. Z. Sowjetunion*, 1936, 10, (6), 840-842). --[In English.] The design
and use of a centrifuge which is capable of effecting complete separation of
phases in copper-lithium alloys are briefly described; by X-ray analysis, a
definite orientation of the crystals was established. AlTi has been separated
from an Al₂Ti-Al alloy. With pseudo-binary alloys, Pb + AlLi and Pb +
ZnLi, the destruction of the intermetallic compounds AlLi and ZnLi and the
probable formation of the alloys Pb + PbLi and the separate formation of
Al and Zn is established.--J. S. G. T.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

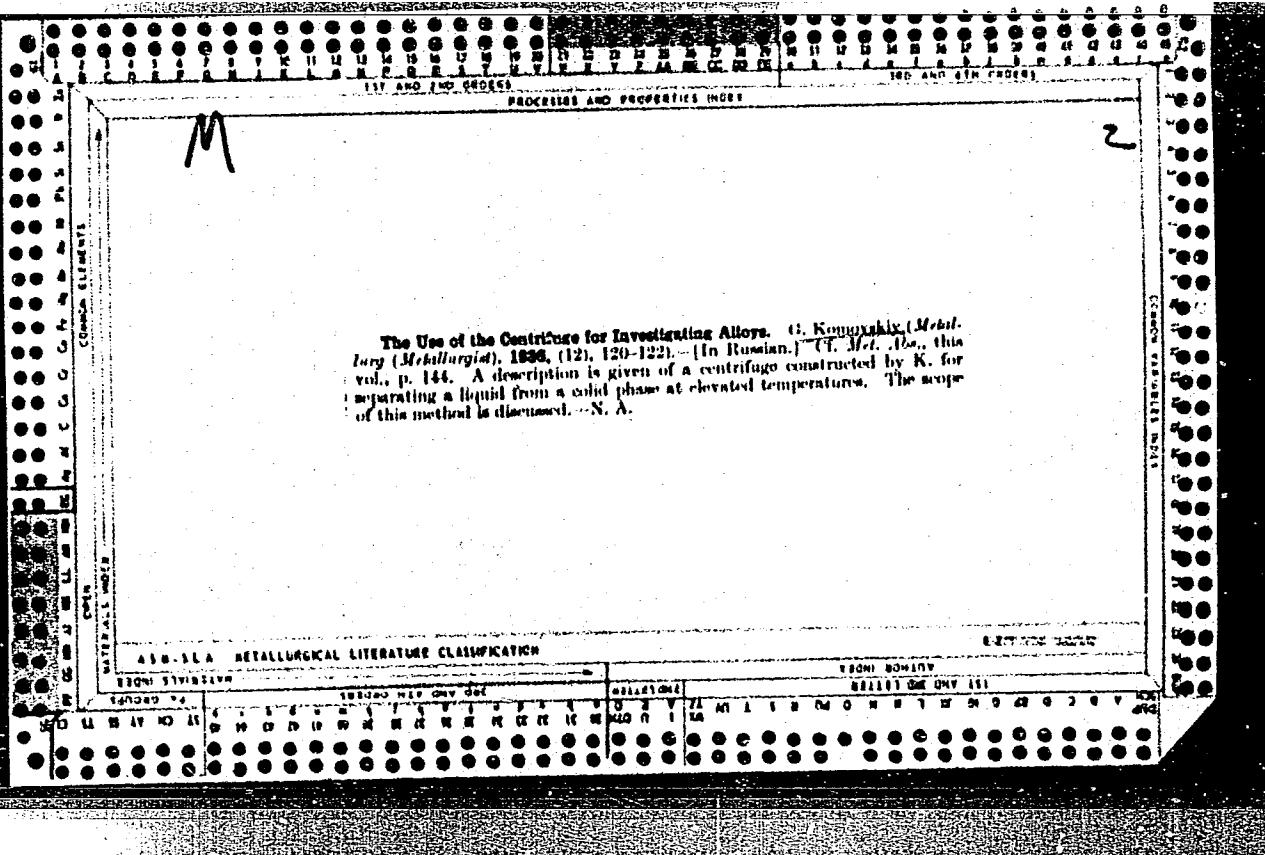
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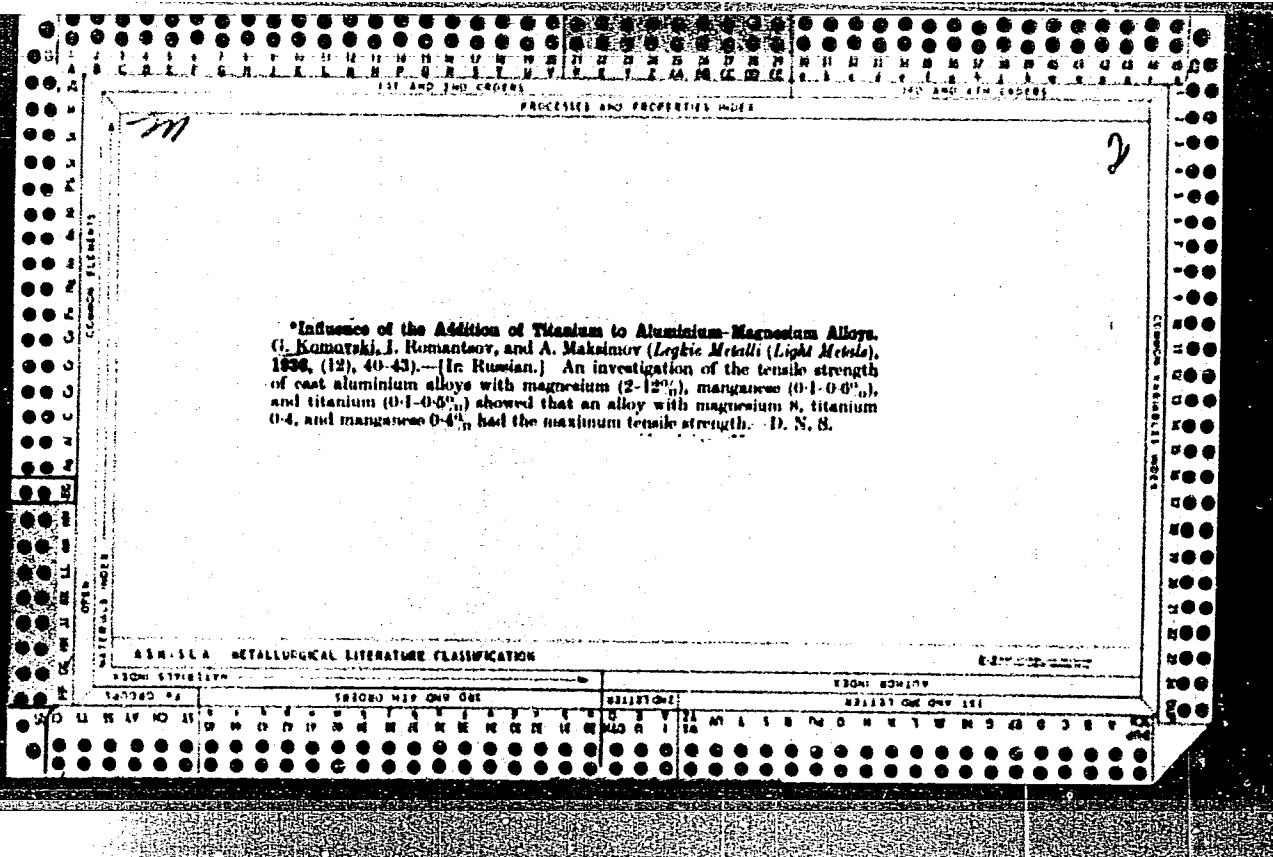
CLASS SYMBOLS

CLASS SYMBOLS

CLASS SYMBOLS

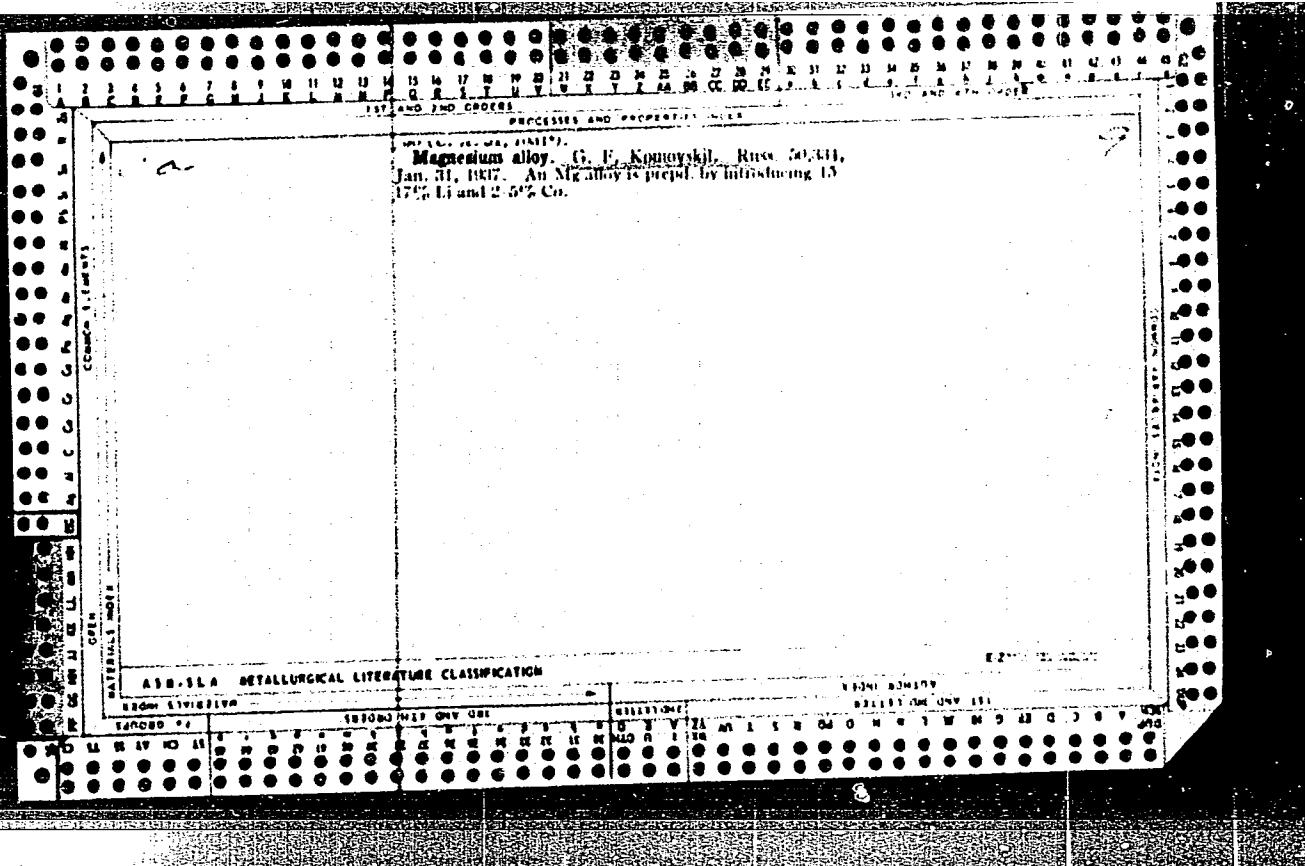
CLASS SYMBOLS





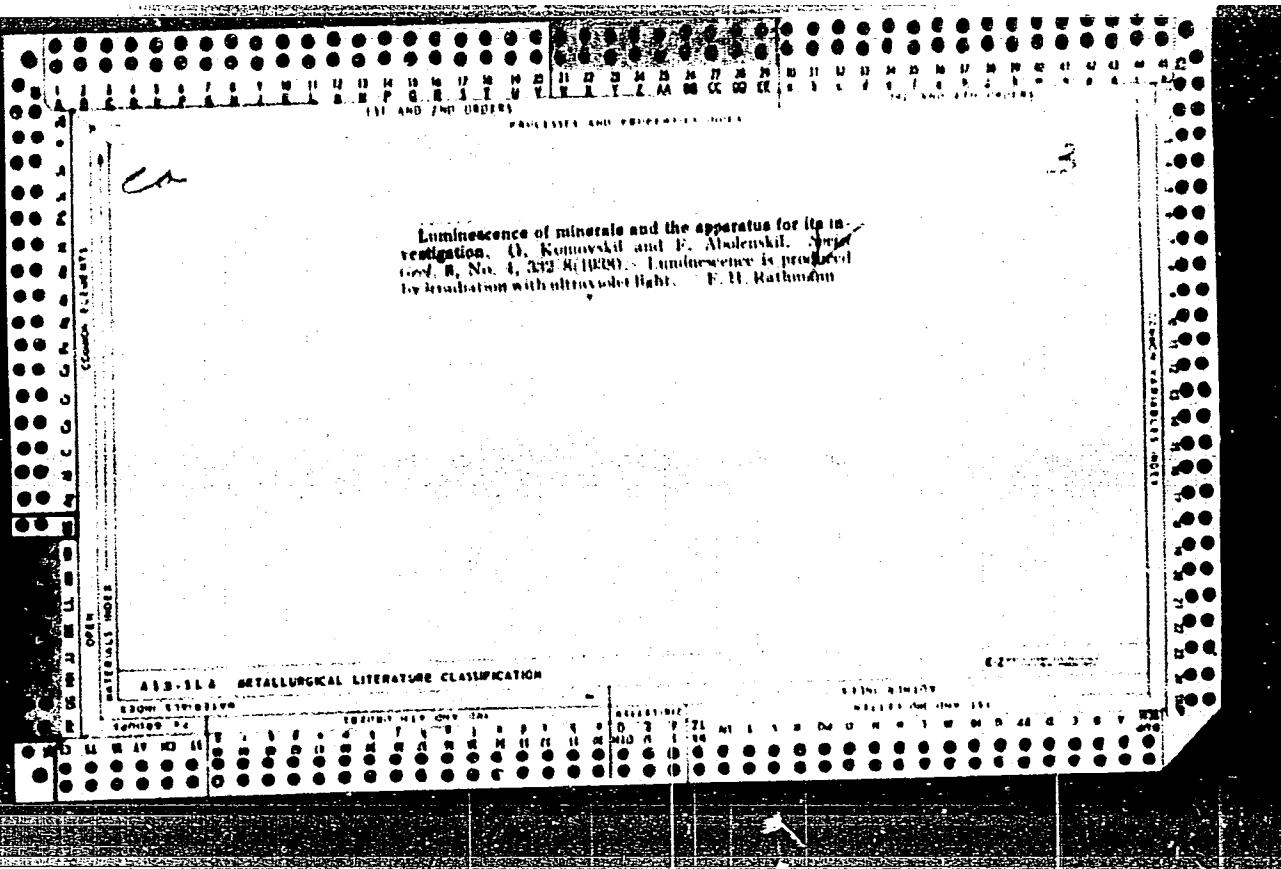
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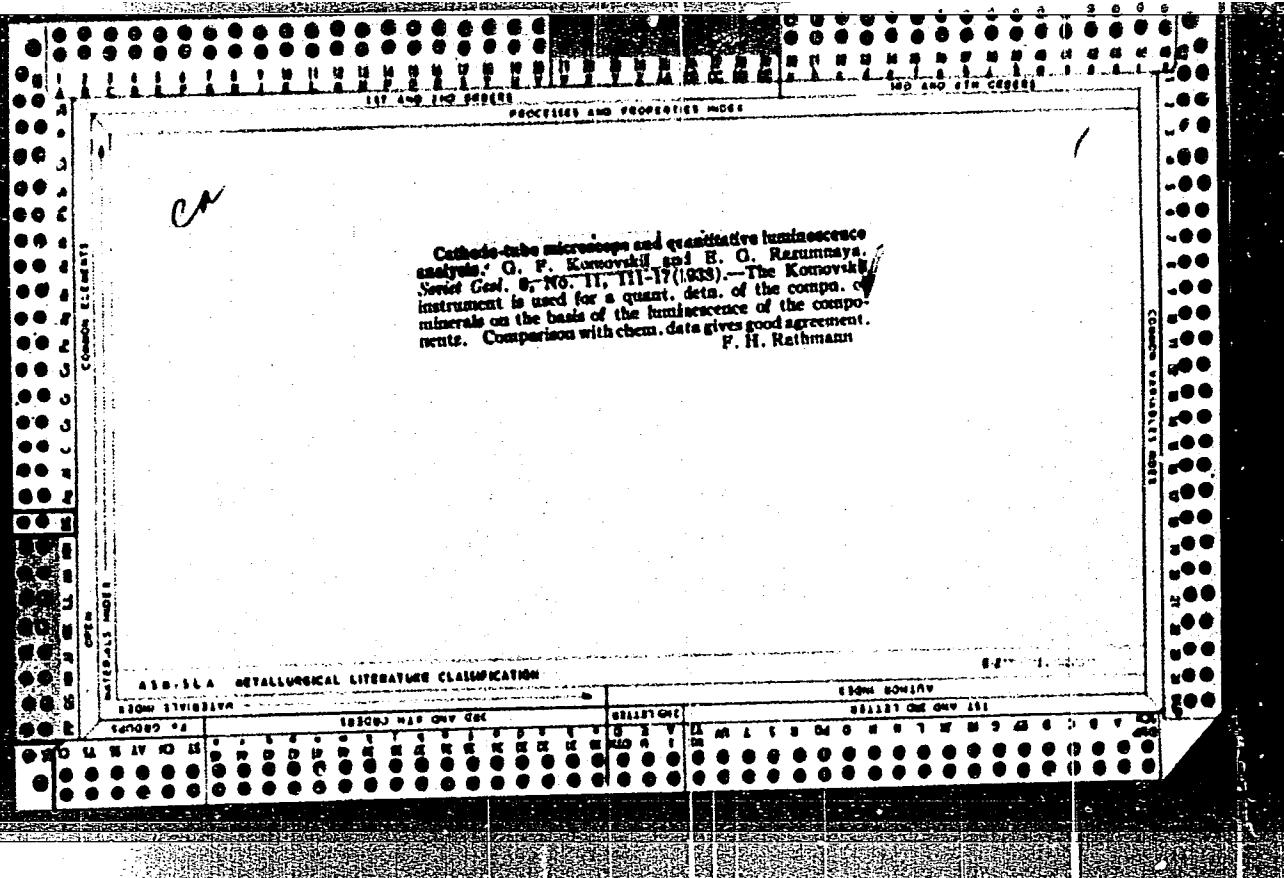
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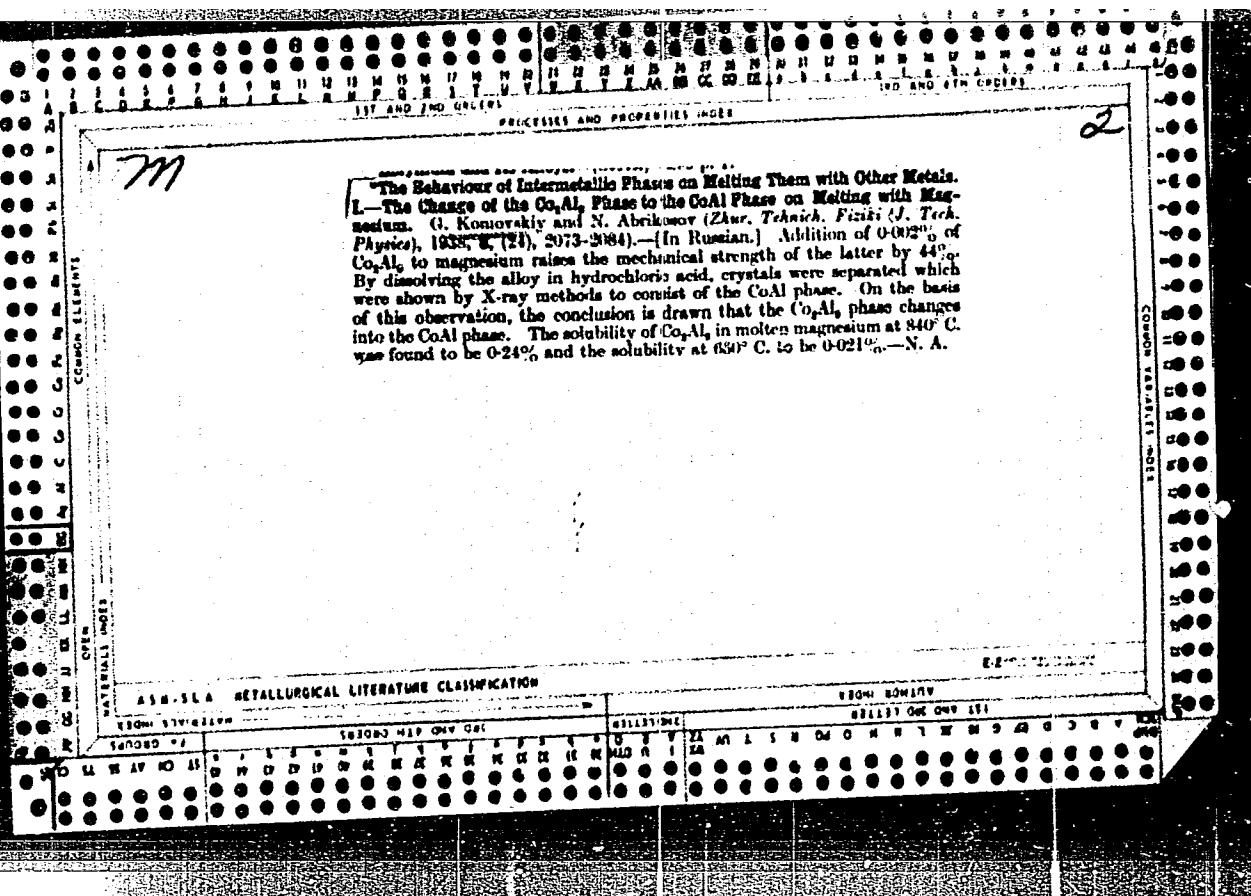


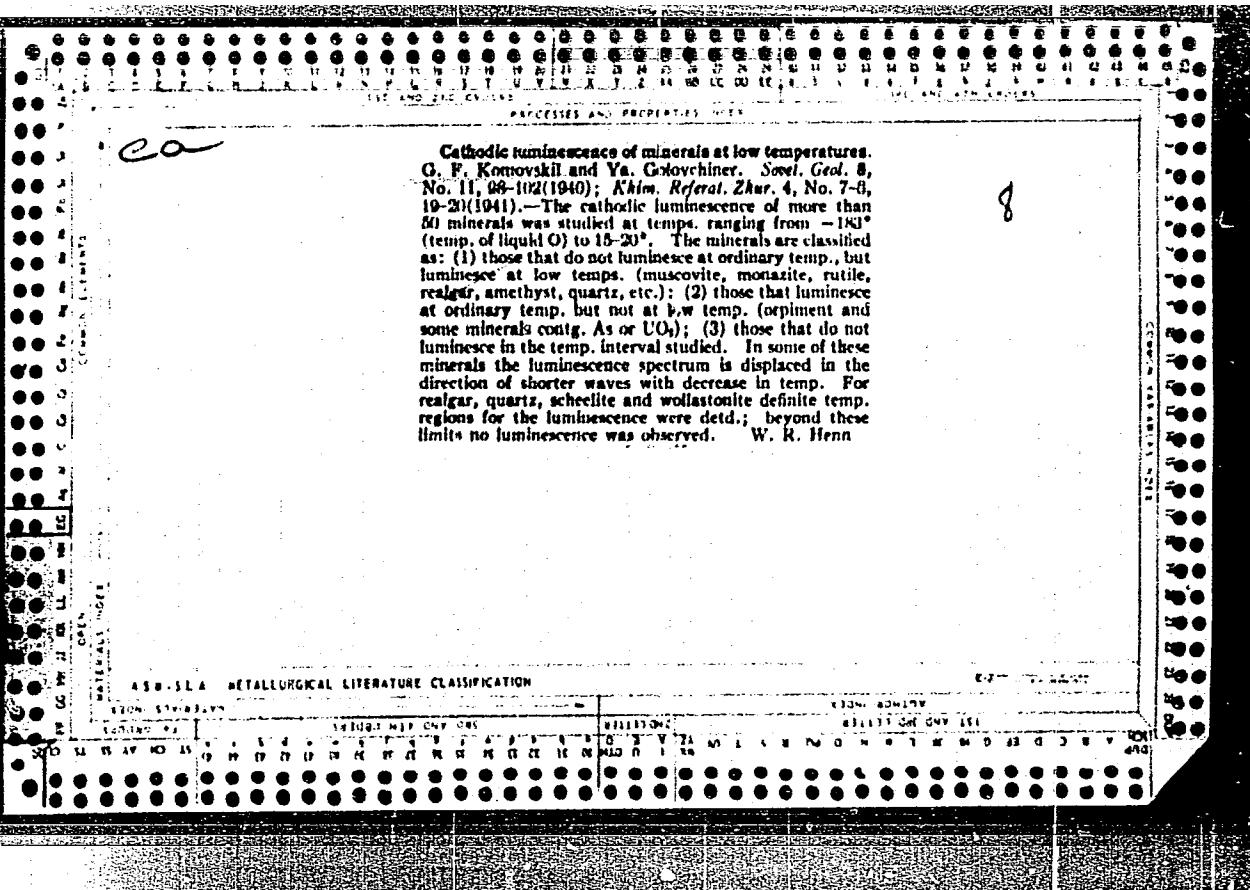
APPROVED FOR RELEASE: 06/13/2000

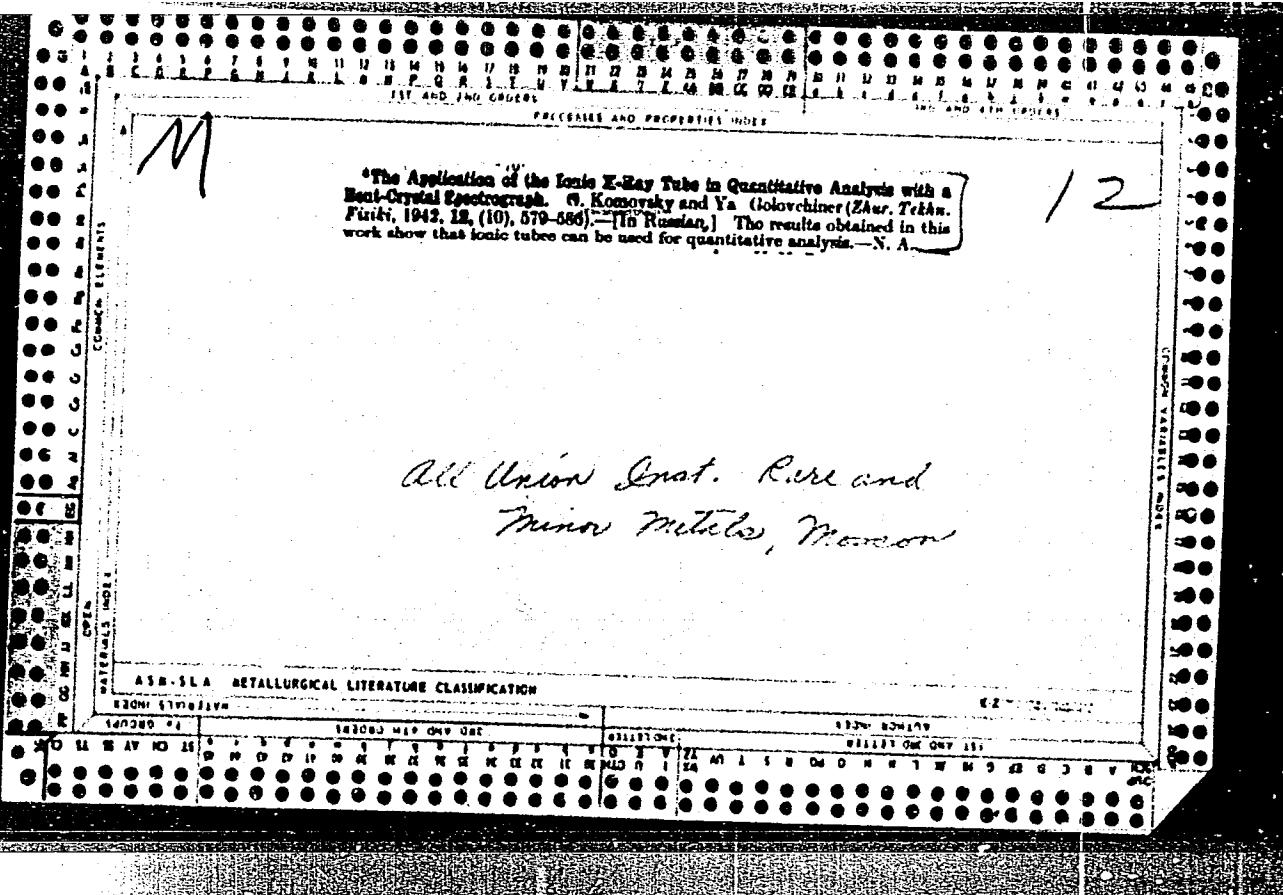
CIA-RDP86-00513R000824120014-9"

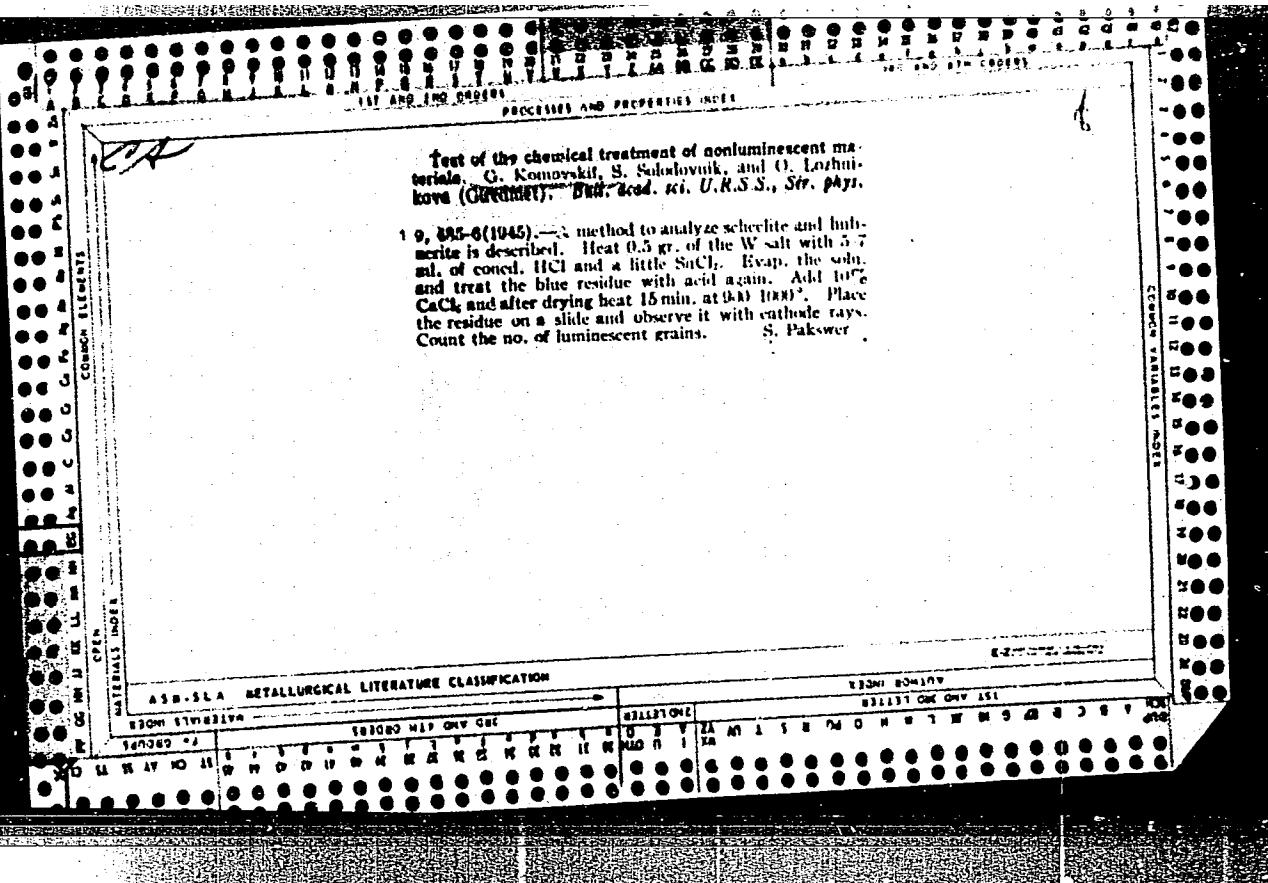












PROCESSES AND PROPERTIES OF...

Luminescence method for determining beryl and
polycite (in ores and concentrates). (I. F. Kominetskii and
O. N. Loubnikova. *Zaradzhayushchii Lit.*, 19, 14-31(1947) (in
Russian).—These minerals, not naturally luminescent,
can be made to luminesce with a green light under the
action of cathode rays by treatment with H_2SO_4 , Na_2SO_4 ,
or $ZnSO_4$, in the presence of Cu or Mn as activators;
the accompanying quartz acquires no luminescence while
that of the felspar remains purple. The treatment
of beryl (12-14% BeO) evidently results in the formation
of a surface layer of $BeSO_4$; the beneficial effect of Zn is
emphasized. For analysis, a finely ground 0.6-1.0 g.
sample is treated with boiling 20% Na_2SO_4 or $ZnSO_4$
soln. for 2-3 min., then a few drops of the activator soln.
(20% $CuSO_4$) are added and boiling is continued for
another 3-4 min., after which the powder is washed with
water and dried at 600-700° for 15-20 min. The detn.
consists in counting the no. of grains luminescing with the
color characteristic of $BeSO_4$, as against the total no. of
grains; mean error 8.7%; from the thus detd. vol. con-
tent V of beryl, the wt. content is Vd/D (%), where d
and D are the specific wt. of beryl and of the ore, resp.;
the BeO content is found by multiplying conventionally
by 0.14. By an analogous treatment, polycite (Ca ,
 Na)- Al_2O_3 - SiO_2 - H_2O (up to 20% CaO) can be made to
luminesce at the cathode with a characteristic yellow-green
light.

N. Thon

ASM-SEA METALLURGICAL LITERATURE CLASSIFICATION

KOMOVSKIY, G. F.

PA 6LT30

USSR/Electronics
Spectrographs - Manufacture
X-Ray Analysis

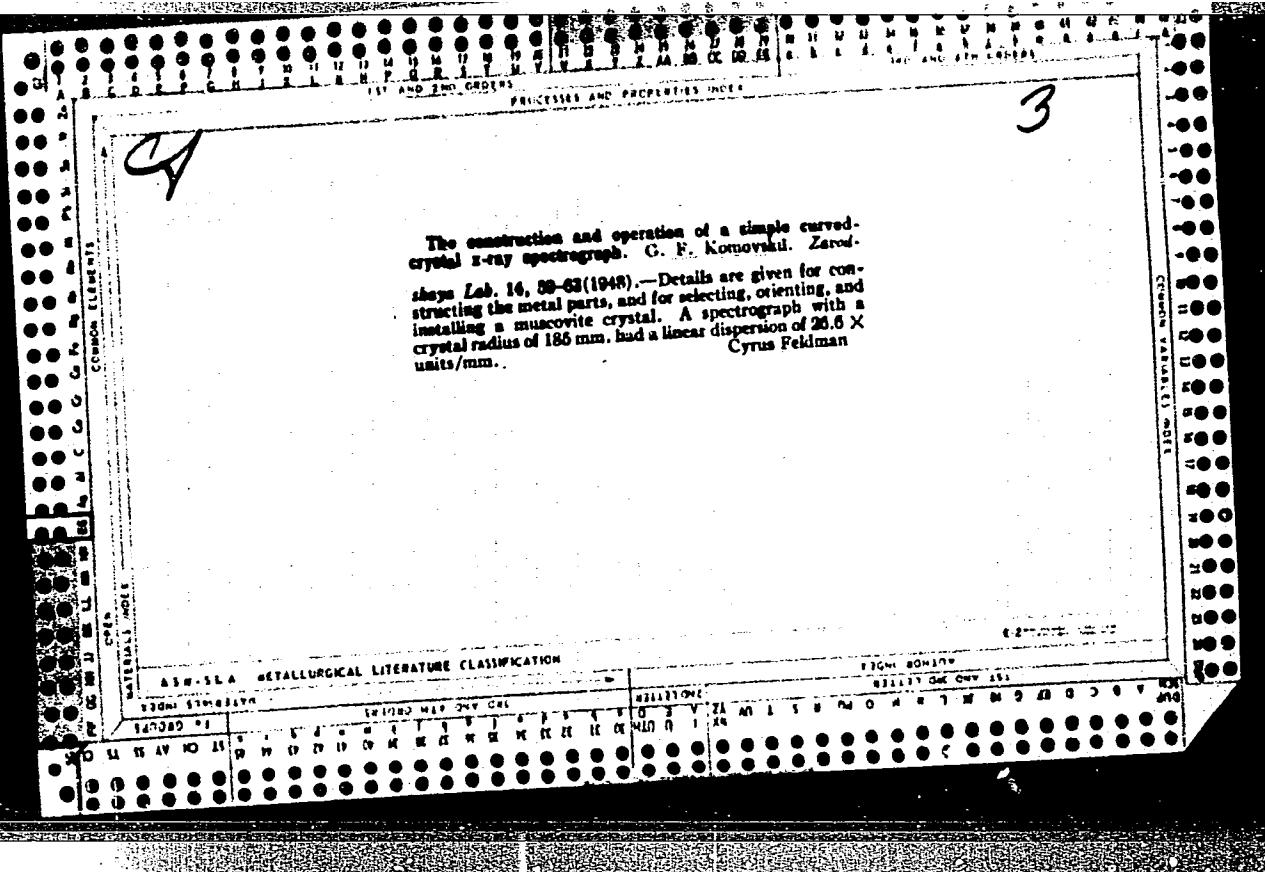
Jan 1948

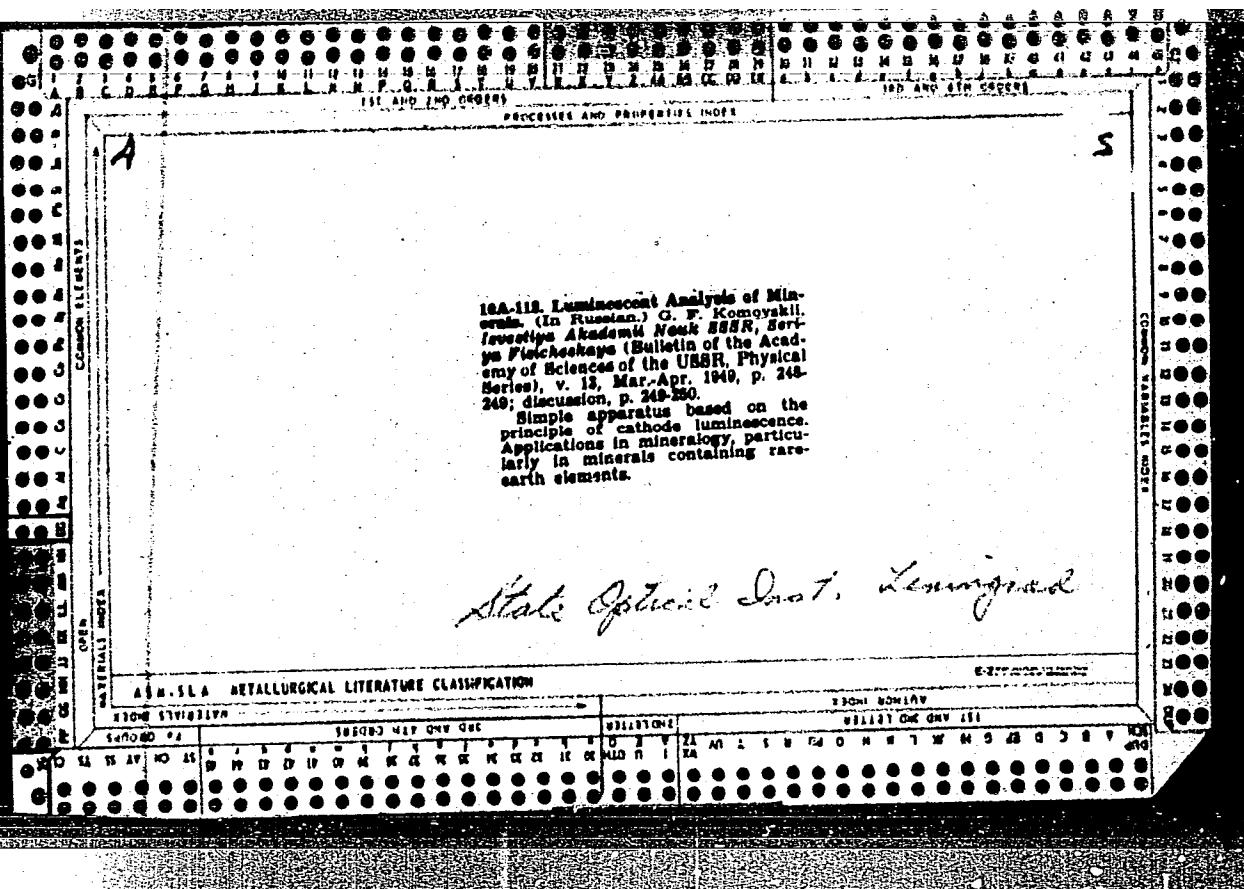
"A Simple Model of an X-Ray Spectrograph With a Curved Crystal, and Its Manufacture," G. F. Komovskiy, State Inst Fine and Rare Metals, 5 pp

"Zavod Labor" Vol XIV, No 1

Describes an X-ray spectroscope, with a curved crystal, which can be utilized for analyses. Method for preparation of this crystal first suggested by Koehn. Its manufacture is simple, requiring very little lathe processing.

6LT30





KOMOVSKIY, G.F.; LOZHNIKOVA, O.N.; BARSANOV, G.P., red.; VERSTAK, G.V.,
red.izd.; MALEK, Z.N., tekhn.red.; POPOV, N.D., tekhn.red.

[Luminescence analysis in the study of ores and minerals]
Luminestsentnyi analiz pri izuchenii rud i mineralov. Moskva,
Gos. nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nadr,
1954. 90 p. (MIRA 12:1)

(Luminescence) (Mineralogy)

KOMOVSKIY, G. F.

48-5-36/56

SUBJECT: USSR/Luminescence

AUTHORS: Komovskiy G.F., Nikol'skiy V.S. and Lozhnikova O.N.

TITLE: Thermoluminescence of Minerals (Termolyuminestsentsiya mineralov)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya, 1957, Vol 21, #5, pp 711-714 (USSR)

ABSTRACT: Various samples of calcites were investigated with respect to thermoluminescence. They were subjected to a preliminary irradiation by X-rays by means of an X-ray tube BSV-W yielding approximately 100 r/sec. A photoelectronic multiplier of the FEU-19 type was applied to study the thermo-luminescence of these minerals and to record the curves of its intensity.

The inspection of the curves represented by Fig 1 and 2 in the paper shows that the magnitude of luminescence peaks depends on the time of preliminary irradiation, increasing with time.

The comparison of thermoluminescence curves of the yellow calcite, Fig 1, and the red-violet calcite, Fig 2, shows that the peak of the first curve is considerably higher than that

Card 1/2

AUTHORS: Komovskiy, G. F., Voskresenskaya, L. A. S/032/60/036/03/044/064
B010/B117

TITLE: Application of the Device of the Type URS-50-I to Check the Orientation of Germanium Monocrystals

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol 36, Nr 3, pp 362-363 (USSR)

TEXT: The X-ray equipment of the type URS-50-I was used to determine the orientation of germanium monocrystals, and a monochromatic beam was directed upon the plane surface of the turning monocrystal. Unlike the usual method, only the reflection from a crystallographic face was recorded with the counter tube resting immovable, and the plane sample turning around its vertical axis in the angular interval from 0° to 2° . A broad beam was applied, and the width of the slit in front of the sample and the height of the counter-tube slit were varied. A special sample holder (Fig) was designed which permits to turn the sample in two directions perpendicular to each other. The measuring technique described may be used for several purposes, but it is not adapted to replace completely the photographic "back-reflection" method. There is 1 figure. 

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti (State Scientific Research and Planning Institute of the Rare-metal Industry)

Card 1/1

KOMOVSKIY, G.F.

Thermoluminescence of stone meteorites. Meteoritika no.21:64-70
'61. (MIRA 14:11)

(Meteorites) (Luminescence)

KOMOVSKIY, G.F., prof. (Moskva)

Thermoluminescence and age of rocks. Priroda 50 no.5:90-93 My
'61. (Geological age) (Rocks) (MIRA 14:5)

KOMOVSKIY, G.F., prof. (pros. Planerskoye, Krym)

Mountain crystal. Priroda 51 no.6:115-116
(Planerskoye region--Quartz crystals)

KOMOVSKIY, G.F., prof. (Moskva)

Thermoelectric and photoelectric effect of rocks and minerals.
Priroda 52 no.8:102-104 Ag '63. (MIRA 16:9)
(Rocks—Photoelectric properties)
(Rocks—Thermoelectric properties)

Q. A. KOMOVSKIY, R. F.

4

Electrolytic whitening (etching) of stainless steel. R. F.
Komovskii (Pyatigorsk Dental School). Stomatologiya
1951, No. 3, 56-7.—The removal of oxide coatings from
stainless steel dentures can be readily done electrolytically
in 15-20% H₂SO₄ at 4-6 v. with arc carbon for the cathode.
G. M. Kosolapoff

KOLOKOLOV, Mikhail Veniaminovich; KOMOVSKIY, Vadim Romanovich;
MON'YAKOV, Nikolay Vasil'yevich; PASHENTSEV, I.D., red.

[Standardized transistor components for use in the construction of automatic control systems] Tranzistornye unifitsirovannye elementy dlia postroeniia skhem avtomatiki. Leningrad, 1964. 22 p. (Leningradskii dom nauchno-tehnicheskoi propagandy. Obmen peredovym opytom. Seriya: Pribory i elementy avtomatiki, no.4) (MIRA 17:7)

KOMP, Josef, inz.

Coal in the economy of Afganistan. Uhli 4 no.11:391-393 N '62.

1. Sdruzeni Ostravsko-Karvinskych dolu, Ostrava.

KOMPRAKTOR, B. (Budapest)

Some questions relating to the socialist method of industrial management in Hungary. Periodica polytechn chem 4 no.4:335-351 '60.

1. Kafedra politicheskoy ekonomiki, Politekhnicheskiy universitet, Budapest.

(Hungary--Industrial management)

1/1/820(k)/220(k)-2/P/WWD/11/7/82
1/1/820(k)/220(k)-2/P/WWD/11/7/82

111-34-522

Wojciech M. Kowalewski, Warsaw, Poland

15
switching silicon diode, type PCP

PCP (silicon diode), no. 5, 1981, p. 1

silicon diode, fast switching, type PCP
Wojciech M. Kowalewski, Warsaw, Poland

This diode has a base of n-type silicon. The diode structure consists of a p-type crystal silicon with a thickness of 10 micrometers and a diameter of 1 mm. The diode has a reverse current of 10 microamperes at 100 degrees Celsius. The diode is designed for the manufacture of integrated circuits. It is produced by the RWM Electronics Company, located in Warsaw, Poland. The diode is installed and presented separately.

1001-21-65

REF ID: A643027

resist, in the mean, constant tension of 1000 kg/cm² and spark
currents exceeding 1000, during which the diodes do not experience
any junctions collapse; 2) withstand a temperature of -55°C without
any warming; and 3) pass the torsion test and break only after 10
twisting. The waste of diodes due to bursting of the glass envelopes
is minimal, amounted to only 1% of the total number of diodes.
The use of flameless sealing methods for the glass envelopes. "The
authors wish to thank Prof. Dr. Eng. W. Rosinski, Chief of Zaklad Elektroniki
Inżynierskiej Podstawowych Problemow Techniki PAN (Electronics Department) of the
Institute of Basic Engineering Problems PAN, and Prof. Dr. Eng. J. Iwaniewicz,
of the Institute for Computers PAN for their permission to publish this
article. This art. has: 27 figures.

ASSOCIATION: none

SUBMITTED: 07Feb64

ENCL: 00

SUB CODE: EC

NO REF Sov: 001

OTHER: 009

Cord 2/2

KOMPALO, Wl^{edyslaw}

The n-p-n alloy junction transistors. Przegl elektroniki
3 no.9:522-528 S '62.

1. Zaklad Elektroniki, Instytut Podstawowych Problemow Techniki,
Polska Akademia Nauk, Warszawa.

KOMPAA, A.

KOMPAA, A.

Conditions of visual reception in labor processes. Sets. trud no.27
74-78 F '58. (MIRA 11:1)
(Eye) (Industrial hygiene)

KOMPAN, A. I.; SATANOVSKIY, A. M.; ERMAN, I. M.; STEZHENSKAYA, YE. I.;
BAKALINSKAYA, YE. D.; ZHIRNOVA, G. YE.; ZINCHENKO, V. P.

"Labor Hygiene in the Modern Blast Furnace Industry."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1959.

9.43102488⁸S/109/61/006/008/008/018
D207/D304

AUTHORS: Gribnikov, Z.S., Kompan, V.N., and Svyatogor, L.V.

TITLE: A study of channel effect triodes

PERIODICAL: Radiotekhnika i elektronika, v. 6, no. 8, 1961,
1330 - 1341

TEXT: The authors investigate practical methods of obtaining channel effect triodes and analyze their properties. First the theory is briefly discussed as given by W. Shockley (Ref. 1: Proc. I.R.E. 1952, 40, 11, 1365) and by J.B. Gunn (Ref. 6: J. Electronics and Control, 1956, 2, 87). In order to follow the theory with experiments the authors used unipolar n-h-n transistors with a high slope which were prepared by a method, in which the impurity diffusion and etching occur at the same surface. The experimental samples had channel lengths $\ell \approx 0.025$ cm the perimeter of the channel front being $d \approx 1$ cm. The channel conductivity was $G_0 \approx 0.002$, - 0.005 microns; the cut-off potential V_0 was 15-40V. Thus the satu-

Card 1/3

A study of channel ...

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S/109/61/006/008/008/018
D207/D304

ration current I_0 , the channel thickness a , and the impurity concentration gradient G in the cross section of the channel, assuming its linear change, could be calculated as,

$$I_0 = \frac{2}{5} G_0 V_0, \quad (14)$$

$$a = \frac{3e u_n d}{16\pi l} \frac{V_0}{G_0}, \quad (15)$$

and

$$G = \frac{2I_0}{q u_n d a^2}. \quad (16)$$

respectively. Thus $a \approx 6 - 10$ micro and the concentration gradient is $\approx 10^{19}$ cm⁻⁴. The approximate value of G can also be obtained from the evaluating the diffusion process measuring the depth of the f-n junction

$$G = \frac{F(C_0, R_p)}{x_{pn}}, \quad (17)$$

Card 2/3

24888

A study of channel ...

S/109/61/006/008/008/018
D207/D304

where $F(Co, \mathcal{N}_p)$, the function of concentration of basic impurity in intrinsic material and of concentration of diffusing impurity Co at the surface. The value of (17) is the same as that of (16), $\sim 10^{19} \text{ cm}^{-3}$. Practically all the rest of the article constitutes a discussion of experimental results. In the last part of the article, the authors discuss briefly the use of unipolar channel triodes as phototriodes. The authors acknowledge the helpful criticism of V.A. Fomenko and K.M. Krilevets. There are 12 figures, 2 tables, and 6 non-Soviet-bloc references. The references to the latest recent English-language publications read as follows: G.B. Dacey, I.M. Ross, Proc. I.R.E., 1953, 41, 8, 970; G.C. Dacey, J.W. Ross, Bell System Techn. J. 1955, 34, 6, 1449; R.M. Warner, W.H. Jackson, E.I. Douzette, H.A. Stone, Proc. I.R.E., 1959, 47, 1, 44; T.B. Gunni, J. Electronics and control, 1956, 2, 1, 87.

SUBMITTED: October 27, 1960

Card 3/3

204/0050/0050

(Mechanical Engineer)

Executive of the Technical Department

Metallurgical Bureau, U.S.S.R.

During the last year, we have conducted research on the welding of aircraft aluminum alloys, especially the VTI6 alloy.

The welding of the VTI6 aluminum alloy, containing 4.5% Al, 4.1% Mn, & 1.3% Fe, with a 1.5% Ti master electrode containing 1.5% Ti, has been studied. The weld metal contained 4.5% Al, 4.1% Mn, & 1.3% Fe. The yield strength of the weld metal was 27.3 kg/mm², tensile strength 32.5 kg/mm², and elongation 27.3% retentive. The yield strength of the base metal was 27.3 kg/mm². The results were similar to those obtained by us in 1955. The components were made of VTI6 alloy containing 4-4.6% Al and 3.0-3.2% Mn. The base metal had the same composition as those of the VTI6 alloy. A weld metal containing 4-5% Al and 2.3-2.9% Mn was used. The mechanical strength, ductility and resistance to impact at -30-55°C was satisfactory. Welds were dense and sound, and were not contaminated with gases. Welds

ACC NR: AP7004201

SOURCE CODE: UR/0125/67/000/001/0065/0068

AUTHOR: Gurevich, S. M.; Kompan, Ya. Yu.

ORG: Electric Welding Institute im. Ye. O. Paton, AN UkrSSR (Institut elektrosvarki
AN UkrSSR)

TITLE: Electroslag welding of titanium with a consumable electrode guide

SOURCE: Avtomaticheskaya svarka, no. 1, 1967, 65-58

TOPIC TAGS: titanium, titanium alloy, ~~welding~~, titanium welding, ~~titanium~~ alloy
~~welding~~, electroslag welding, consumable electrode, ~~guide~~ ~~welding~~ WELD EVALUATION

ABSTRACT: The possibility of electroslag welding of titanium articles up to 400 mm thick with a consumable electrode guide has been investigated. Large, VT1 titanium forgings (cross section—400 x 1000 mm) were welded by this method under an AN-T2 flux. It was determined that with electrode guides 9–18 mm thick, the gap between forgings (400 mm thick) should be 32 mm, and that one electrode 5 mm in diameter should be used for each 100 mm of thickness. Argon, fed through ducts in the electrode guide directly to the welding area, eliminated almost completely the possibility of contact between molten metal and the atmosphere and resulted in a weld of high

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UDC: 621.791.756:669.295

ACC NR: AP7004201

quality. The plasticity and notch toughness of the weld were lower than those of the parent metal due to the coarsely crystalline structure of the cast weld-metal. The strength of the weld, however, was equal to that of the parent metal. The chemical composition of either the consumable-electrode guide or the electrodes may be varied to achieve the weld composition desired. Eight formulas for calculating their chemical compositions are given. Orig. art. has: 4 figures and 2 tables. [TD]

SUB CODE: 11, 13/ SUBM DATE: 08Feb66/ ORIG REF: 005/ ATD PRESS: 5116

Card 2/2

KOMPAN, Y.G.; PEVNAYA, I.Yu.; ZAV'YALOV, B.M., red.

[Industrial aesthetics; a bibliography of literature published from 1958 to 1962] Tekhnicheskaiia estetika; bibliograficheskii ukazatel' 1958-1962 gg. 1 kv. Kiev, Kievskii dom nauchno-tekhn. propagandy, 1962. 14 p.
(MIRA 16:10)

(Bibliography—Aesthetics)
(Bibliography—Human engineering)

KOMPAN, Ye.G.; RUTGAYZER, I.D.; TKACHENKO, V.A., otv. za vypusk;
LYSENKO, I.F., red.; CHERNYSHENKO, Ya.T., tekhn. red.

[Use of plastic materials in the machinery manufacture; list
of literature (for inventors, efficiency promoters, and in-
novators of the industry)] Primenenie plastmass v mashino-
stroenii; katalog literatury (v pomoshch' izobretateliam, ra-
tsionalizatoram i novatoram proizvodstva). Khar'kov, Izd-vo
TsBTI Khar'kovskogo SNKh, 1960. 55 p. (MIRA 16:7)

1. Khar'kov. TSentral'naya nauchno-tehnicheskaya biblioteka.
(Plastics) (Machinery industry)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9

KOMANEJCEV, Nikola

Comuting stress in rails, taking into consideration the degree
of rot in the ties. Zeleznice Jug 20 no.11;21-25 N '64.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9

KOMPANAJCEV, Nikola (Zagreb)

The KZ rapid computation of railway tracks following the
Zimmermann-Diehl method. Gradevinar 14 no.4:118-120 '62.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9"

KOMPAÑEJCEV, Nikola

New regulations on the expansion of rails. Zeleznice Jug
19 no.6:28-33 Je '63.

KOMPANEJCEV, Nikola

Aluminothermic welding of rails. Zeleznice Jug 19 no.8:
26-31 Ag '63.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9

KOMPANEJCEV, Nikola (Zagreb)

Modern straightening of the direction of railroad curves. Gradevinar
14 no.12; 4347440 D '62.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9"

BLAZHKEVICH, B.I.; KOMPANEITS, L.G.

Use of the theorem of integral residues in the case of a multiple-pole Laplace transform. Avtom.kont.i izm.tekh. No.6:7-10 '62.

(Meromorphic functions) (Variational calculus) (MIR 16:2)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9

KOMPANEJCEV, Nikola

Rectifying the direction of arches by the method of arrows. Zeleznice
Jug 18 no.9/10:10-14 '62.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9

KOMPANEJCEV, Nikola

Current building of curves for the increase of speed. Zeleznice Jug
18 no.11/12:23-26 '62.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9

GRISHILO, V.F.; FEDORENKO, V.F.; MINDRUL, A.I.; KOMPANETS, G.A.

Production of high-quality chrome leather from hides. Kozh.-obuv.
prom. 7 no. 10:29-30 0 '65 (MIRA 19:1)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9

KOMPANETS, G. T. and BESPAL'KO, V. G. (Veterinary Surgeons, Khar'kov Oblast', Linkovatovsk Agricultural Technical College)

"Bicillin 1 - An effective remedy for lung diseases in swine"

Veterinariya, Vol. 38, no. 10, October 1961, pp. 81-89

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9"

L 10971-67 EXT(1) SCTB DD/GD
ACC NR: AT6036588

SOURCE CODE: UR/0000/66/000/000/0216/0217

AUTHOR: Komendantov, G. L.; Kompanets, V. S.; Kopaney, V. I.; Poleshchuk, S. I.;
Razsolov, N. A.; Chirkin, M. D.

ORG: none

TITLE: Further development of the otolithic theory of motion sickness [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24 to 27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 216-217

TOPIC TAGS: biologic acceleration effect, motion sickness, coriolis acceleration, vestibular analyzer, unconditioned reflex, visual analyzer, central nervous system

ABSTRACT: The otolithic theory of motion sickness (V. I. Voyacheck, 1909-1958) is widely recognized. Its basic assumptions are:

- 1) the universal nature of motion sickness (it can arise during any kind of motion);
- 2) the summation of reactions (cumulation) as a mechanism of the development of motion sickness;
- 3) the vestibular, proprioceptive, visual, and cutaneous mechanical receptors participate in the reflex mechanism of motion sickness development during which, the otolithic component of the vestibular analyzer assumes the basic role;
- 4) the most essential cause of motion sickness is vertical displacements of the human body which address otolithic receptors;
- 5) the conditioned reflex mechanism of motion sickness is supplementary;
- 6) the condition of the nervous system plays an important role in the development of motion sickness;
- 7) various external conditions (high air temperature, smells, etc.) influence the development of motion sickness;
- 8)

Card 1/2

L 10971-67

ACC NR: AT6036588

the resistance of the organism to motion sickness can be built up by repeated exposure to its causative mechanisms (training). O

The investigation by the authors led to the establishment of the following: 1) the existence of a phase in the development of motion sickness; 2) a functional fluctuation, the amplitude of which changes as a function of the developmental phase of this condition; 3) an additional mechanism of motion sickness (disrupted systemic function); 4) the development of rocking illusions accompanied by compensatory motor reactions; 5) peculiarities of the course of motion sickness at altitudes of 2000, 3000, 4000, and 5000 m ("elevation" in a pressure chamber); 6) shifts in the excitability and lability of the visual analyzer in the latent form of motion sickness; 7) shifts in atrioventricular conductivity during various phases of motion sickness; 8) the influence of dibasol on the course of the latent form of motion sickness; 9) the inhibition of lifting reflexes (according to EMG data) during the prolonged, standard oscillation of experimental animals and the development of these reactions when the oscillation regimen is altered; and finally, the prospect of applying motion sickness to the discovery of functional insufficiencies, e.g., using conditioned reflex models of motion sickness to reveal statokinetic defects in human subjects. [W.A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: 00May66

Card 2/2

S/651/62/000/006/001/010
E140/E135

AUTHORS: Blazhkevich, B.I., and Kompaneits, L.G.
TITLE: Application of the theorem of residues to the case
of multiple poles of a transform
SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut
mashynoznavstva i avtomatyky, L'viv. Avtomaticheskiy
kontrol' i izmeritel'naya tekhnika. no.6. 1962. 7-10.
TEXT: Normally all poles of a function are required in order
to be able to evaluate the function. The contribution of each
pole may be found, however, individually applying L'Hopital's rule
(in the present paper the Wagner-Carson transform is used).
Formulae are given for the case of poles of multiplicities 1,2,3.
The complexities of the formulae increase rapidly with the order of
the pole, and the authors consider that for higher orders their
applicability is questionable.

Card 1/1

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9

KOMPANETS, Ivan Danilovich; KLETCHENKO, A.V., redaktor; VESKOVA, Ye.I.,
tekhnicheskiy redaktor

[Expansion of animal husbandry in Chernovtsev Province] Zhivotnovodstvo
Chernovitskoi oblasti na podzemle. Moskva, Gos. izd-vo selkhoz. lit-ry.
1955. 39 p.
(MLRA 9:11)

1. Sekretar' Chernovitskogo obkoma KP Ukrayiny.
(Chernovtsev Province--Stock and stockbreeding)

APPROVED FOR RELEASE: 06/13/2000

KOMPAJCEV, NIKOLAI

CIA-RDP86-00513R000824120014-9

Double switches with arched core. Zeleznice Jug 20 no. 12:29-
31 D '64.

SOV/49-58-8-8/17

AUTHORS: Savarenkiy, Ye.F., Lysenko, L.N. and Kompanets, M.V.

TITLE: Microseisms of Lake Issyk-Kul' as Observed by Seismic Station in Rybach'ye (O mikroseysmakh ozera Issyk-Kul' po nablyudeniym seysmicheskoy stantsii v Rybach'yem)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, 1958, Nr 8, pp 1015 - 1019 (USSR)

ABSTRACT: The seismic station Rybach'ye, situated on the west coast of Lake Issyk-Kul', often receives microseisms lasting a short period. Their magnitude rapidly increases with high winds. An example of a typical seismogram registering the microseisms with a diagram showing the wind velocity is shown in Figure 2. From theoretical considerations, the amplitude of the microseisms can be determined from Eq.(1). It shows that one of the conditions of the microseisms' formation are the standing waves caused by the water waves. These conditions were observed by the station personnel in the course of three years. The standing waves on the lake were observed to develop as a result of a modulation of the advancing wave reflected from the shore waves (Figure 1). From the graph (Figure 3) of the amplitude A, period T

Card1/3

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120014-9

SOV/49-58-8-8/17

Microseisms of Lake Issyk-Kul' as Observed by Seismic Station in Rybach'ye

and wind velocity V, it can be seen that a lag of about 9 hours between a maximum of the amplitude and that of the wind velocity is formed which can be defined as a relation $A = kV$ (Figure 4).

The standing waves caused by the wind depend also on the length of water distance. The relation of the height of water waves H, the velocity of their movement C and the wind stretch F, time of its action t and velocity V was calculated (Figure 6) and compared with the large ocean areas (Figures 5a, b). The results show a close relationship.

The amplitude of microseisms was also compared to that of the ocean by evaluating a formula (T) as defined for the ocean conditions and substituting into it the data obtained from the lake (table). It was found that the observed period, 1-3 secs, did not differ much from the theoretical 1.5-3 secs. The amplitude was defined from Eq.(1) as equal to 1.5-2.0 μ .

Card2/3

SOV/49-58-3-8/17

Microseisms of Lake Issyk-Kul' as Observed by Seismic Station in
Rybachiye

It is evident from all the data obtained by means of
observations and theoretical calculations that the
microseisms formed on Lake Issyk-Kul' have a character
common to that of the ocean type.

There are 6 figures, 1 table and 5 references, 3 of
which are English, 1 Soviet and 1 French.

ASSOCIATION: Akademiya nauk SSSR Institut fiziki Zemli
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